Index of Claims

Application No.

10/812,014

KIMURA, EIJI

Applicant(s)

Examiner

Art Unit

Tu T. Nguyen

2877

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N ١ Interference

**Appeal** Α Objected

| Cla      | Date   |                                 |              |          |              |              |              |              |  |                 |  |  |
|----------|--|---------------------------------|--------------|----------|--------------|--------------|--------------|--------------|--|-----------------|--|--|
| Final    | Original                                     | 9/28/04                         |              |          |              |              |              |              |  |                 |  |  |
|          | 1  | х                               |              |          |              |              |              |              | Ι_   |                 |  |  |
|          | 1<br>2<br>3                                  | х                               |              |          |              |              |              |              |  | П               |  |  |
|          | 3  | 1                               |              |          |              |              |              |              |  |                 |  |  |
|          | 4  | 1                               |              |          |              |              |              |              |  |                 |  |  |
|          | <u>4</u><br>5                                | 1                               |              |          |              |              |              |              |  | П               |  |  |
|          |  | 1                               |              |          |              |              |              |              |  |                 |  |  |
|          | 7  | X                               |              |          |              |              |              |              |  |                 |  |  |
|          | 8  | Х                               |              |          |              |              |              |              |  |                 |  |  |
|          | 9  | Х                               |              |          |              |              |              |              |  |                 |  |  |
|          | 10   | Х                               |              |          |              |              |              |              |  |                 |  |  |
|          | 11   | X<br>X<br>V<br>V<br>X<br>X<br>X |              |          |              |              |              |              |  |                 |  |  |
|          | 12   | 1                               |              |          |              |              |              |              |  |                 |  |  |
|          | 13   | X                               |              |          |              |              |              |              |  |                 |  |  |
|          | 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 | √ x x x x x x √ √               |              |          |              |              |              |              |  |                 |  |  |
|          | 15   | √                               |              |          |              | 匚            |              |              |  |                 |  |  |
|          | 16   | X                               |              |          |              |              |              |              |  | Ш               |  |  |
|          | 17   | X                               |              | L        |              |              |              |              |  |                 |  |  |
|          | 18   | X                               |              |          |              |              |              |              |  |                 |  |  |
|          | 19   | X                               |              |          |              |              |              |              |  |                 |  |  |
|          | 20   | 1                               | _            |          | _            |              | _            |              |  |                 |  |  |
|          | 20<br>21                                     |                                 |              |          |              |              |              |              |  |                 |  |  |
|          | 22   | Х                               |              |          | _            | _            | _            |              |  |                 |  |  |
|          | 23   | X √                             |              |          |              |              |              |              |  |                 |  |  |
|          | 23<br>24<br>25                               |                                 | _            | _        | _            |              | _            |              | _  | Ш               |  |  |
|          | 25   | Х                               |              |          | <u> </u>     |              |              |              |  | Ш               |  |  |
|          | 26<br>27                                     | X                               |              |          | _            |              |              |              | _  |                 |  |  |
|          | 27   | X<br>X<br>√                     | Ŀ            | L        |              | Ĺ            |              |              |  |                 |  |  |
|          | 28<br>29                                     | X                               | _            | <u> </u> |              | _            |              |              | <u> </u>   | Ш               |  |  |
|          | 29   | 1                               |              |          | _            | L            |              | _            | _  | Ш               |  |  |
|          | 30<br>31<br>32<br>33                         | 1                               | L            | _        | _            | _            | _            | _            | _  | Щ               |  |  |
|          | 31   |                                 | _            |          | <u> </u>     |              | _            | L            | _  | Ш               |  |  |
|          | 32   | _                               | <u> </u>     | _        |              | _            |              | _            | _  |                 |  |  |
|          | 33   |                                 | _            | _        | <u> </u>     | $\vdash$     | L_           |              | <u> </u>   | Ш               |  |  |
|          | 34<br>35                                     | _                               |              |          | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>     | _  | Ш               |  |  |
|          | 35   | <u> </u>                        | _            | _        | _            | $\vdash$     | <u> </u>     |              | <u> </u>   | Щ               |  |  |
|          | 36   | L                               | $\vdash$     | <u> </u> | _            | $\vdash$     | L.           | H            | <u> </u>   | Н               |  |  |
| ·        | 37   | <u> </u>                        | <u> </u>     | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>     | _            | ├  | Н               |  |  |
|          | 38   | <u> </u>                        | $\vdash$     | <u> </u> | <u> </u>     | $\vdash$     | <u> </u>     | <u> </u>     | <del> </del>                                     | Ы               |  |  |
| <b></b>  | 39   | -                               | -            | <u> </u> | ├            | <u> </u>     | <u> </u>     | $\vdash$     | ⊢  | $\vdash \vdash$ |  |  |
|          | 40   | $\vdash$                        | $\vdash$     | <u> </u> |              | $\vdash$     | _            | -            | <u> </u>   | Н               |  |  |
| $\vdash$ | 41   |                                 | $\vdash$     | <u> </u> | ├-           | $\vdash$     | <u> </u>     | <del> </del> | -  | $\vdash \vdash$ |  |  |
|          | 42<br>43                                     | ├                               | -            |          | -            |              | <u> —</u>    | <del> </del> | -  | $\vdash$        |  |  |
|          | 43   | $\vdash$                        | $\vdash$     | $\vdash$ | $\vdash$     | H            | -            | $\vdash$     | $\vdash$   | $\vdash\vdash$  |  |  |
|          | 45   | $\vdash$                        | -            | -        | ├-           | -            | $\vdash$     | <del> </del> | <del>                                     </del> | $\vdash \vdash$ |  |  |
|          | 45   |                                 | <del>-</del> |          | <del> </del> | $\vdash$     | <del> </del> | <del> </del> | <del> </del>                                     | $\vdash \vdash$ |  |  |
|          | 45   | $\vdash$                        | ⊢            | $\vdash$ | ⊢            | -            | $\vdash$     | <del> </del> | ├  | $\vdash \vdash$ |  |  |
|          | 48   | ├-                              | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     | ⊢            | ⊢            | ├-   | Н               |  |  |
|          | 48   | ├                               |              |          | ├-           | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$   | Н               |  |  |
|          | 50   | $\vdash$                        | $\vdash$     | ├        | ├            | <del> </del> | ├            | -            | <del> </del>                                     | $\vdash \vdash$ |  |  |
|          | 20   | L                               | <u> </u>     | <u> </u> | L            |              | L_           | <u> </u>     | <u></u>  | ш               |  |  |

| Cla   | Claim Date |          |   |  |          |              |  | CI       | aim          | Date         |    |              |          |  |        |          |              |  |               |              |          |
|-------|------------|----------|---|--|----------|--------------|--|----------|--------------|--------------|----|--------------|----------|--|--------|----------|--------------|--|---------------|--------------|----------|
| Final | Original   |          |   |  |          |              |  |          |              |              |    | Final        | Original |  |        |          |              |  |               |              |          |
|       | 51         |          |   | _  | -        | -            | _  |          | <u> </u>     |              |    |              | 101      |  | +      | ╀        | ┡            | ┡  | L             | _            | <u> </u> |
|       | 52         | _        |   | <u> </u>   | -        |              | _  | $\vdash$ | ┢            | -            | 1  | <u> </u>     | 102      | $\vdash$   | +      | +        | ├            | $\vdash$   | ┝             | -            | -        |
|       | 53         | -        | _ | _  | ┢        |              | -  | ⊢        | -            | -            | 1  | <b> </b>     | 103      | -  |        | ╁        | ├            | ┢  | ├─            | ⊢            | -        |
|       |            | $\dashv$ |   | -  | -        |              | -  | -        | -            | ⊢            | 1  |              |          |  |        | ┿        | -            | ├  | <del> </del>  |              | -        |
|       | 54         | -        | _ | _  | ⊢        | -            | _  | ⊢        | ┝            | ⊢            |    | <u> </u>     | 104      | -  | - -    | ┿        | ⊢            | ├  | ⊢             | <u> </u>     | L        |
|       | 55         | -        |   | _  | ├        | -            | _  | ┝        | _            | _            | 1  | <u> </u>     | 105      | ₽₽   | +      | +        | ⊢            | ⊢  | ⊢             | <u> </u>     | L        |
|       | 56         | -        |   |  | -        | -            |  | ┡        | <u> </u>     | ļ            | 1  |              | 106      |  | -      | ┼        | -            | ┡  | <u> </u>      |              | L        |
|       | 57         | -        |   | <u> </u>   | ├        | -            |  | <u> </u> | -            | -            | 1  | <u> </u>     | 107      | -  | - -    | +-       | ├-           | ├-   | ⊢             | <u> </u>     | _        |
|       | 58         | -        |   |  | ├-       | -            | ├_   | ┡        | ┡            | _            | 1  |              | 108      | Н-   |        | +-       |              | ┞  | <u> </u>      | <u> </u>     | L        |
|       | 59         |          |   | _  | ┡        | _            | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | 1  | <u> </u>     | 109      | <b>  -</b>                                       |        | _        | ╙            | <u> </u>   | L             | <u> </u>     | L        |
|       | 60         | _        |   |  | <u> </u> | <u> </u>     | _  | _        |              | <u> </u>     |    | <u> </u>     | 110      |  |        | ╄        | L            | <u> </u>   |               | <u> </u>     | L        |
|       | 61         | _        |   |  | <u> </u> | _            | <u> </u>   |          |              | <u> </u>     |    |              | 111      |  |        | ــــ     | L            | <u> </u>   |               | _            | L        |
|       | 62         | _        |   |  | ㄴ        |              | _  | <u> </u> | _            | <u> </u>     |    |              | 112      |  |        | ╄-       | _            | L  | L_            |              | L        |
|       | 63         |          |   | L  | L        | _            | <u> </u>   | <u> </u> | _            | L            |    |              | 113      |  |        | ļ        | <u> </u>     | _  |               | _            | L.       |
|       | 64         |          |   | _  | <u> </u> | _            | <u> </u>   | <u> </u> | <u> </u>     | _            |    |              | 114      |  |        | _        | _            | <u> </u>   | _             | <u> </u>     | L        |
|       | 65         |          |   |  |          |              |  | L        | L            | $oxed{oxed}$ |    |              | 115      |  |        |          |              |  |               |              | L        |
|       | 66         |          |   |  |          |              |  |          |              |              |    |              | 116      |  |        | <u> </u> |              |  |               |              |          |
|       | 67         |          |   |  |          |              |  |          |              |              |    |              | 117      |  |        |          |              |  |               |              |          |
|       | 68         |          |   |  |          |              |  |          |              |              |    |              | 118      |  |        |          |              |  |               |              |          |
|       | 69         |          |   |  |          |              |  |          | -            |              |    |              | 119      |  |        | T        |              |  |               |              | Г        |
|       | 70         |          |   |  |          |              |  |          |              |              | 1  |              | 120      |  |        | T        |              |  |               |              | Г        |
|       | 71         |          |   |  |          |              |  |          |              |              | 1  |              | 121      |  | T      | 1        |              |  |               |              | Г        |
|       | 72         |          |   |  |          |              |  |          |              |              | 1  |              | 122      |  | T      |          |              |  |               |              |          |
|       | 73         |          |   |  |          | Г            |  |          |              | Г            | 1  |              | 123      |  | 十      | 1        | Г            |  |               |              | Ė        |
|       | 74         |          |   |  | $\vdash$ | T            |  |          |              | T            |    |              | 124      |  | $\top$ |          |              |  |               |              | ┢        |
|       | 75         | $\neg$   |   |  | $\vdash$ | Г            | Т  |          | $\vdash$     | 一            | 1  |              | 125      |  |        | $\top$   | Т            | Т  | $\overline{}$ | Т            | _        |
|       | 76         | T        |   |  | $\vdash$ | t            | T  |          |              |              |    |              | 126      |  | $\top$ | ✝        | 1            | $\vdash$   | 1             |              | ┢        |
|       | 77         |          |   | _  | -        | ┢            | $\vdash$   | _        |              | ┢            | 1  | _            | 127      |  | _      | +        | Н            | <del>                                     </del> | Н             |              | H        |
|       | 78         |          |   |  | $\vdash$ | $\vdash$     | <del>                                     </del> | _        | ┪            | $\vdash$     | 1  |              | 128      | -  |        | †        | $\vdash$     |  | $\vdash$      | <u> </u>     | ┢        |
|       | 79         | $\dashv$ |   | _  | ┢        | $\vdash$     | Н  | ┢        | $\vdash$     | _            | 1  |              | 129      | -  | +-     | T        | H            | $\vdash$   | ┢             |              | ┢        |
|       | 80         | -        | _ |  | $\vdash$ | ┢            | _  | -        | ┢            | $\vdash$     | 1  |              | 130      | ┢  |        | +-       | 1            | ┢  | H             | -            | ┢        |
|       | 81         | -        | _ | <del>                                     </del> | $\vdash$ | _            | ┢  | ┝        | -            | -            | 1  |              | 131      | -  |        | +        | $\vdash$     | ╁  | $\vdash$      | -            | ┝        |
|       | 82         | $\dashv$ |   | -  | ⊢        | -            | ⊢  | ┢        | $\vdash$     | -            | 1  |              | 132      | <del>                                     </del> | +      | +        | ├-           | -  | -             |              | H        |
|       | 83         | $\dashv$ |   | -  | -        | -            | -  | ⊢        | -            | -            | 1  |              | 133      |  |        | +-       | -            | <b>.</b>   |               |              | H        |
|       | 84         | $\dashv$ | _ | _  | ⊢        | -            | $\vdash$   | ┝        | <del> </del> |              | 1  |              | 134      | $\vdash$   | ╫      | +        | -            | ┢  | <del> </del>  | _            | ┝        |
|       | 85         | -        | _ |  | ┝        | ├            | ├  | ┝        | -            | -            | ł  |              | 135      |  | - -    | ┿        | <del> </del> | ┢  | <u> </u>      | -            | ┝        |
|       | 86         | $\dashv$ |   | _  | -        |              | -  | H        | -            | _            | ł  |              |          | ┝╌╟╴   | +      | +-       | $\vdash$     | ├  | ⊢             |              | ┝        |
|       |            | $\dashv$ |   |  | ┢        |              | _  | $\vdash$ |              | -            | l  |              | 136      | $\vdash$   |        | +        | ┝            | <u> </u>   | H             |              | ⊢        |
|       | 87         | -        |   | _  | ├        | -            | ├  | ┝        | ┝            | ├-           | ł  |              | 137      |  | +      | ╀        | ┝            | -  | ⊢             | _            | ┝        |
|       | 88         | -        |   | <u> </u>   | $\vdash$ | -            | $\vdash$   | <u> </u> | ├-           | <u> </u>     | ł  |              | 138      |  | +      | +-       | ₩            |  | ⊢             | ├            | -        |
|       | 89         | 4        | _ | <u> </u>   | ┢        | <del> </del> | ⊢  | ⊢        | ├-           | <del> </del> | ł  | <del> </del> | 139      | -  | +      | +        | -            | ⊢  |               | $\vdash$     | -        |
|       | 90         | _        |   | <u> </u>   | -        | <del> </del> | <del> </del>                                     | <u> </u> | <del> </del> |              | ١. | <u> </u>     | 140      | $\vdash$   | - -    | +-       | -            | ├-   | <del> </del>  | <del> </del> | 1        |
|       | 91         | _        |   | <u> </u>   | ⊢        | <u> </u>     | <u> </u>   | ⊢        | $\vdash$     | $\vdash$     | 1  | <u> </u>     | 141      | $\vdash$   | +      | $\vdash$ | $\vdash$     | $\vdash$   | <u> </u>      | $\vdash$     | $\vdash$ |
|       | 92         | _        |   | _  | ┞-       | <u> </u>     | <u> </u>   |          | <u> </u>     | <u> </u>     | 1  |              | 142      |  | +      | $\vdash$ | 1            | ┡  | <u> </u>      | _            | L        |
|       | 93         | _        |   | <u> </u>   | <b>!</b> | <u> </u>     | $\vdash$   | <u> </u> | ⊢            | ⊢            | 1  |              | 143      | -  |        | ╄        | ⊢            | <b>⊢</b>   | <b>—</b>      | <u> </u>     | _        |
|       | 94         |          |   | <u> </u>   | 1_       | <u> </u>     | <u> </u>   | <u> </u> | <del> </del> | <u> </u>     | 1  | <u> </u>     | 144      | $\vdash \vdash$                                  | _ _    | ↓_       | <b> </b>     | _  | <u> </u>      |              | L        |
|       | 95         |          |   | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | 1  | ļ            | 145      | $\sqcup$   | 4      | ╀        | _            | <u> </u>   | _             | <u> </u>     | L        |
|       | 96         | _        |   | <u> </u>   | ļ.,      | <u> </u>     | _  | L_       | L            | <u> </u>     |    |              | 146      | $\sqcup \!\!\! \perp$                            | _ _    | 1_       | L_           | ļ  | _             | <u> </u>     | L        |
|       | 97         | _        |   | <u> </u>   |          |              |  |          |              |              | 1  |              | 147      | $\sqcup$   | 丄      | 丄        | 1_           | <u> </u>   | <u></u>       | <u>_</u>     | L        |
|       | 98         | ]        |   | L  | <u> </u> | _            | _  |          |              | _            | 1  |              | 148      |  |        |          |              | <u> </u>   |               |              | Ĺ        |
|       | 99         |          |   | <u>_</u> _                                       |          | L            |  | L        |              | L            | j  |              | 149      | Ш  |        |          |              |  |               |              | Ĺ        |
|       | 100        | ]        |   | Ĺ  | L        |              |  | L        |              |              | ]  |              | 150      |  |        |          |              |  |               |              |          |

| ıce         |                   | U  |          | U        | bje          | CTE      | ea       |          |          |          |
|-------------|-------------------|--|----------|----------|--------------|----------|----------|----------|----------|----------|
| -           |                   | $\overline{}$                                    |          |          |              |          |          |          |          |          |
| Cli         | aim               | _  |          | _        |              | Date     | 9        | _        | _        | _        |
| Final       | Original          |  |          |          |              |          |          |          |          |          |
|             | 101<br>102        |  |          |          |              |          |          |          |          |          |
|             | 102               |  |          | _        |              |          |          |          |          |          |
|             | 103               |  |          | _        |              |          |          |          |          |          |
|             | 104               |  |          | _        |              | _        | _        |          |          | L        |
|             | 105               |  |          | _        |              |          |          |          |          |          |
|             | 106               |  |          | <u> </u> |              |          |          | _        |          | <b>-</b> |
|             | 107<br>108        |  |          | $\vdash$ | _            | _        | -        | $\vdash$ |          |          |
|             | 109               | $\vdash$   |          | -        | _            |          | ┝        | $\vdash$ | _        | _        |
|             | 110               | -  | -        | -        | _            | _        | -        | -        |          |          |
|             | 111               | -  | -        | ┢        |              | -        | -        |          |          |          |
|             | 112               |  | -        | -        | -            | -        | -        |          | Н        | -        |
|             | 112<br>113        | _  | т        | $\vdash$ | _            | _        | Г        |          | $\vdash$ |          |
|             | 114               |  | Т        |          |              |          | П        | -        |          | Т        |
|             | 115               |  |          |          |              |          |          |          |          |          |
|             | 116               |  |          |          |              |          |          |          |          |          |
|             | 117               |  |          |          |              |          |          |          |          |          |
|             | 118               |  |          |          |              |          |          |          |          |          |
|             | 119               |  | L        |          |              |          |          | _        |          | _        |
|             | 120<br>121<br>122 |  |          |          |              |          |          |          |          | _        |
|             | 121               | L  | <u> </u> | _        |              |          | L        | L        |          | _        |
|             | 122               | <u> </u>   | <u> </u> | _        |              | $\vdash$ | L        | L        |          | -        |
|             | 123               | -  |          | -        |              | -        | -        | ┝        |          |          |
|             | 123<br>124<br>125 | <del> </del>                                     | ┝        |          | _            | -        | $\vdash$ | -        | _        | -        |
|             | 126               | -  | $\vdash$ | ┢        |              | _        |          | ┝        | _        | -        |
|             | 126<br>127        | _  | _        | -        | -            | _        | -        | -        |          | ┢┈       |
|             | 128               | _  | ┢        |          |              |          |          | $\vdash$ |          | -        |
|             | 129               |  |          |          |              |          |          |          |          |          |
|             | 130               |  |          | _        |              |          |          |          | _        | _        |
|             | 131               |  |          |          |              |          |          |          |          |          |
|             | 132               |  |          |          |              |          |          |          |          |          |
|             | 133               |  |          |          |              |          |          |          |          | Ĺ        |
|             | 134               | <u> </u>   | L        | _        | _            |          | L        |          |          | _        |
|             | 135               | _  |          | <u> </u> |              | _        | L_       | Щ        |          | _        |
|             | 136               |  |          | L        |              | _        |          |          | Ш        | _        |
|             | 137               | _  | _        |          | _            | _        | _        | <u> </u> | _        | _        |
|             | 138               |  | $\vdash$ | <u> </u> | -            | _        | _        | <u> </u> |          | -        |
| <del></del> | 139<br>140        | <del> </del>                                     | <u> </u> | ⊢        | <del>-</del> |          | $\vdash$ |          | $\vdash$ | -        |
|             | 141               | -  | -        | -        | -            | _        | ┝        | -        |          | $\vdash$ |
|             | 141               | H  | $\vdash$ | $\vdash$ | $\vdash$     | -        | H        | H        | H        | $\vdash$ |
| _           | 143               | <del> </del>                                     |          | $\vdash$ | $\vdash$     | $\vdash$ | Н        | Н        |          | $\vdash$ |
|             | 144               | <del>                                     </del> | $\vdash$ | -        | $\vdash$     | $\vdash$ | Н        | H        |          | $\vdash$ |
|             | 145               | Т  | Т        | 一        | П            | _        | Ι        | H        |          | $\vdash$ |
|             | 146               |  | Т        |          | П            | <u> </u> | $\vdash$ | Г        |          |          |
|             | 147               |  |          |          |              |          |          | Г        |          |          |
|             | 148               |  |          |          |              |          |          |          |          |          |
|             | 149               |  |          |          |              |          |          |          |          |          |
|             | 150               |  |          |          |              |          |          | I        | I        | Ī        |